



DELAWARE'S

Climate Action Plan

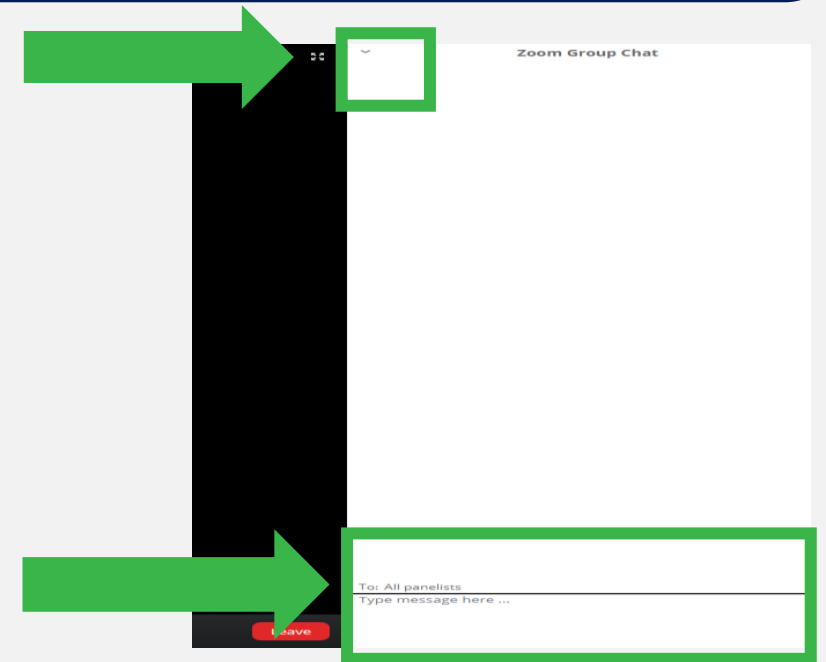
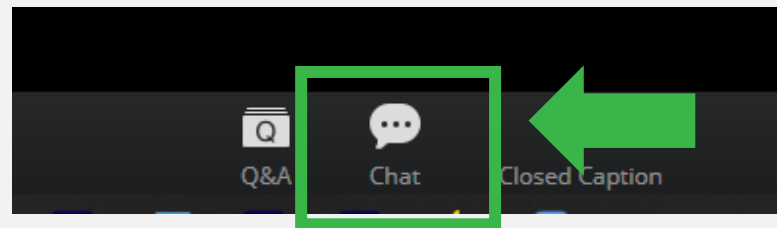
Welcome to Workshop 3:
Maximizing Resilience to Increased Temperatures
September 29, 2020
5:30 p.m. – 7 p.m.

Virtual Workshop Logistics:

Tech Support

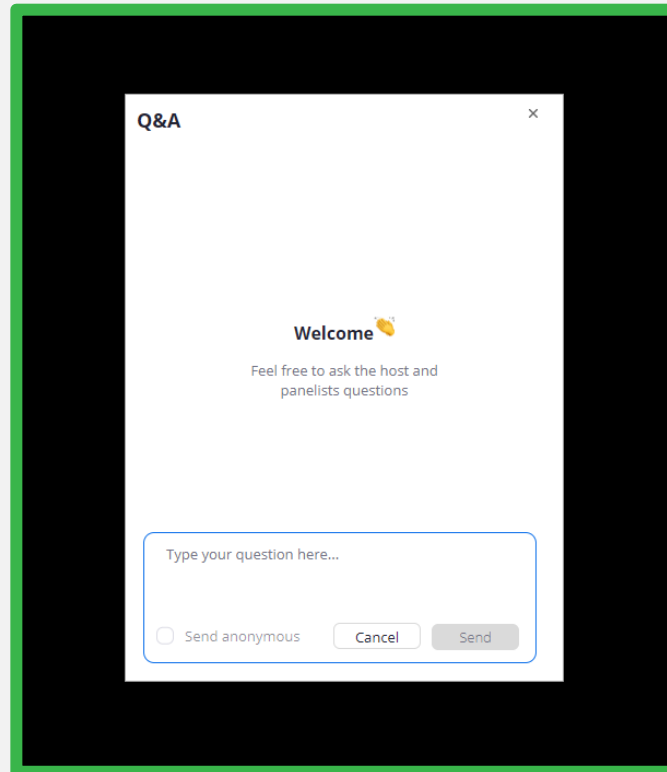
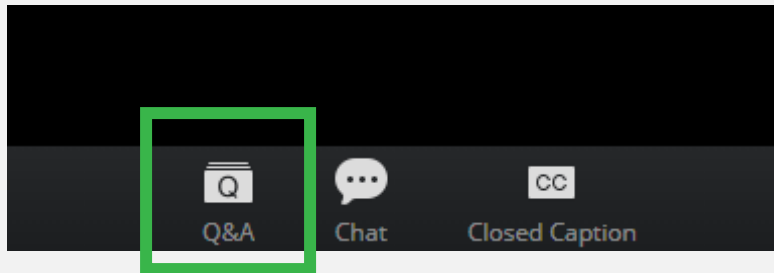
Get Tech Support

- Open your chat box.
- You can access the chat box by clicking the button at the bottom of your screen. A chat box will appear on the right side of your screen.
- Send a message to all panelists and someone will assist you. Please note that the other participants will NOT be able to see your question making it a private message.



Ask a Question or Submit a Comment

- Click the Q/A icon at the bottom of your screen to ask presenters questions or submit a comment.
- Presenters may not get to all questions, but they will try their best.
- If the Q&A function does not work, email questions or comments to declimateplan@delaware.gov anytime during the event.



Virtual Workshop Logistics:

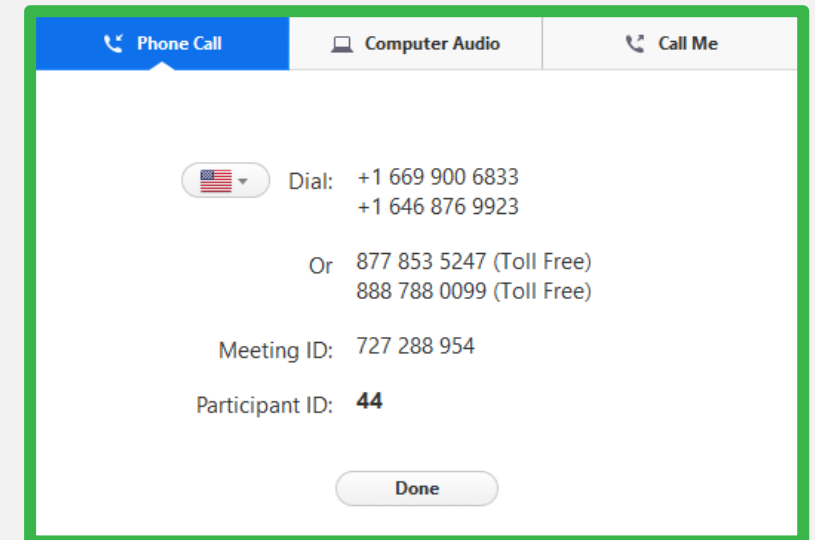
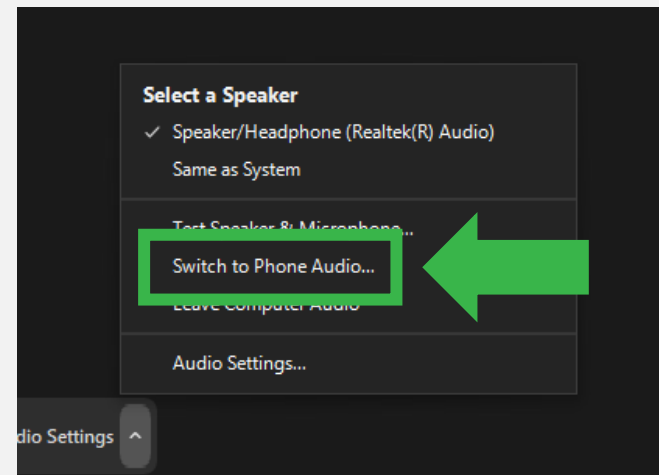
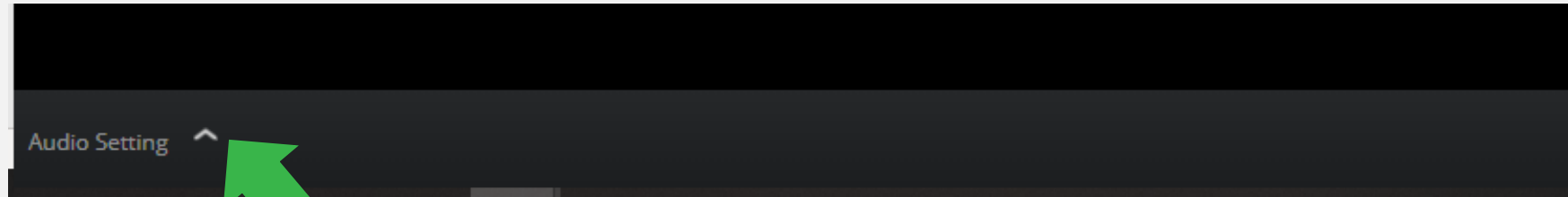
Questions and Comments

Virtual Workshop Logistics:

Audio

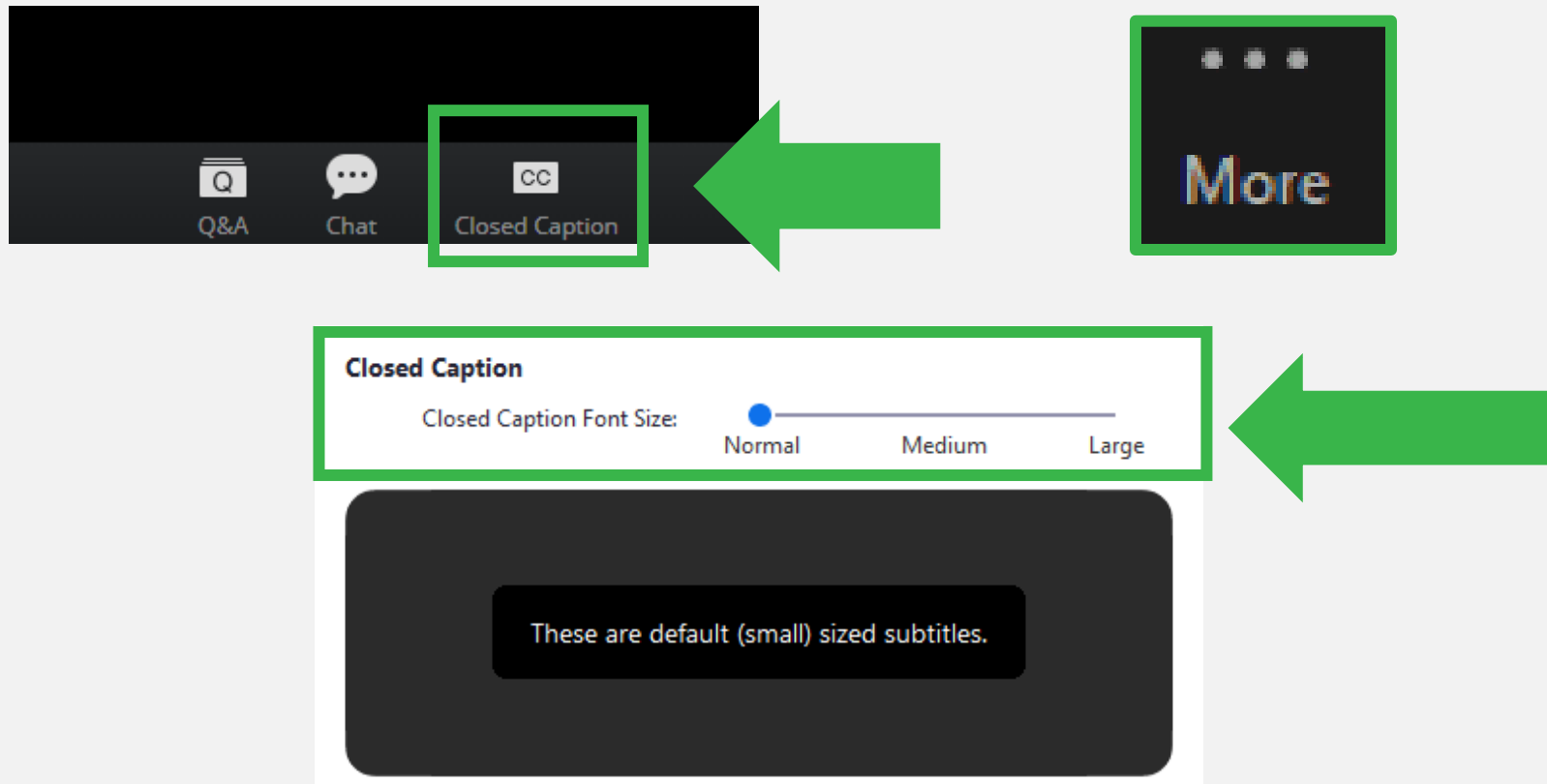
Make Sure Your Sound Works

- If you're using speaker audio and it doesn't work, try re-starting Zoom or click the "up" arrow and "Switch to Phone Audio".



Closed Captioning

- To turn on captions, click the closed captioning icon at the bottom of your screen and select “Show Subtitle”.
- To view captions that were typed previously, select “Show Full Transcript”, a new pop-up will appear with the transcript.
- To change caption size, click the “Closed Caption” icon again and select “Subtitle Settings”. Use the slider to change caption size.



Virtual Workshop Logistics:

Closed Captions

Agenda

5:30 p.m. – 5:40 p.m.

5:40 p.m. – 6 p.m.

6 p.m. – 6:45 p.m.

6:45 – 7 p.m.

7 p.m.

Workshop Introduction

Climate Change Impacts

Actions to Maximize Resilience

Questions and Wrap-up

Workshop Ends

Workshop Goals

Provide an overview of the Climate Action Plan and its development process.

Communicate how public input has shaped the planning process for the Climate Action Plan.

Provide overview of how actions identified for maximizing resilience were created.

Gather feedback on which actions to maximize resilience participants would like to see the state implement.

Workshop Facilitators and Presenters



Dr. Robert Scarborough

Division of Climate, Coastal and Energy
Delaware Coastal Management Program



Ms. Maggie Pletta

Division of Climate, Coastal and Energy
Delaware Coastal Management Program



Mr. Ian Yue

Division of Climate, Coastal and Energy
Climate and Sustainability Section



Ms. Kristen Thornton

Division of Climate, Coastal and Energy
Delaware Coastal Management Program



Ms. Nicole Marks

Division of Climate, Coastal and Energy
Delaware Coastal Management Program

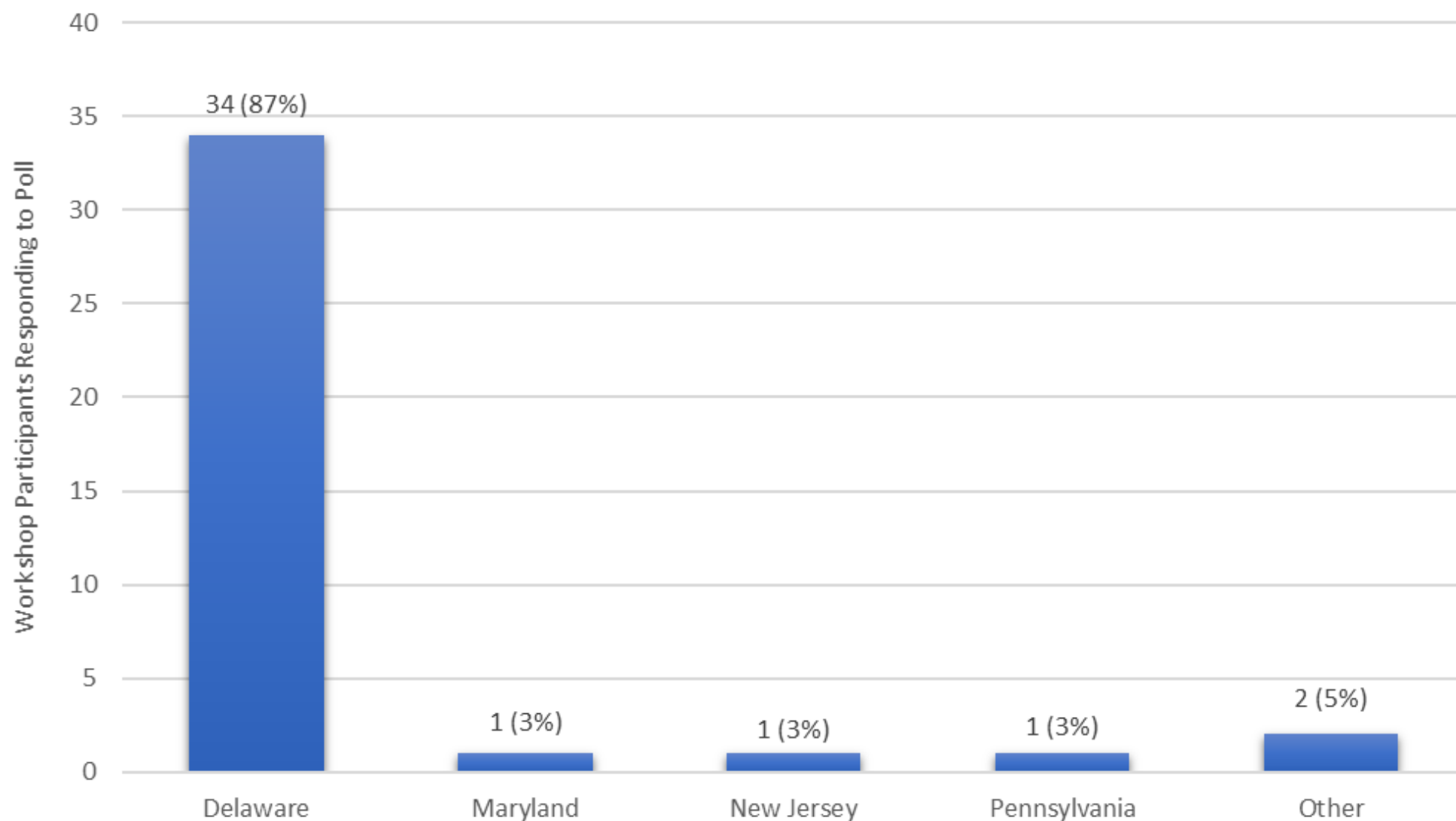
Getting to Know You

Where are you from?

- 1) Delaware
- 2) Maryland
- 3) New Jersey
- 4) Pennsylvania
- 5) Other



Zoom Poll: Getting to know you, where are you from?



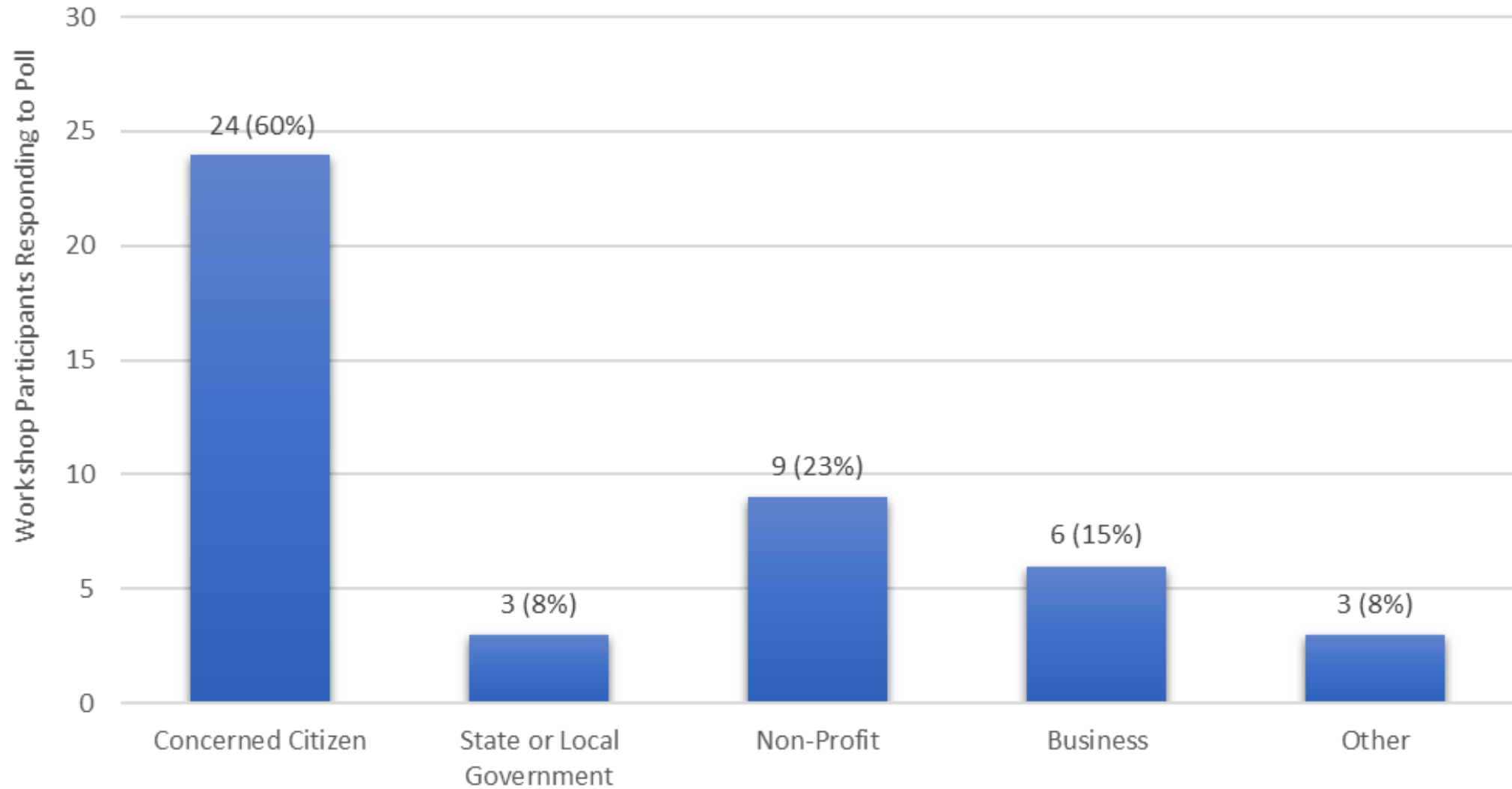
Getting to Know You

Organizational Affiliation?

- 1) Concerned Citizen
- 2) State or Local Government
- 3) Non-Profit
- 4) Business
- 5) Other



Zoom Poll: Getting to know you, who are you representing?



Climate Action Plan Overview

- The Plan will include actions to **minimize** and **maximize**:
 - **Minimize** greenhouse gas emissions, major driver of climate change
 - **Maximize** resilience to climate change impacts (e.g., increased temperatures, sea level rise, more extreme weather)
- **Provide information and actions** for state leaders to use in decision-making
- **Plan Release Date**: Winter 2021

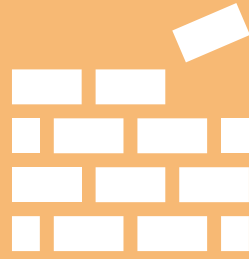
DELAWARE'S

Climate Action Plan

Implementing Delaware's Climate Action Plan will protect and strengthen:

- Our agricultural and tourism economies
- The natural places we enjoy for recreation
- Our infrastructure
- The health of our residents and visitors

Developing the Climate Action Plan



Built on Past Efforts

- Statewide Sea Level Rise Planning Initiative
- Executive Order 41
- Literature Reviews



Interviewed Experts

- State Agencies
- Neighboring State Climate Programs
- Universities and Federal Agencies



Engaged Stakeholders

- Public Workshops in March
- Online Survey
- Submission of Comments



Climate Change Impact: Increased Temperatures

What's at risk from increased temperatures?



Agriculture

- Crop and livestock health
- Costs of farming



Human Health

- Vector borne diseases
- Heat related illnesses



Infrastructure

- Energy generation
- Roads, bridges, and rail lines



Natural Resources

- Wildlife and plant health
- Wildlife food sources



Water Resources

- Water use
- Water quality



Agriculture



- Contributes \$8 billion annually to our economy
- Crop and livestock health
 - Reduced yields
 - Weed competition
 - Heat stress
- Costs of farming
 - Increased irrigation needs



Human Health

- Vector borne diseases
 - West Nile and EEE
 - Lyme disease
- Heat related illnesses
 - Vulnerable populations





Infrastructure



- Energy generation
 - Increase in demand
 - Damage to infrastructure
- Roads, bridges, and rail lines
 - Buckling and rutting of roads
 - Damage to bridge supports
 - Damage to tracks
 - Disruptions to operations



Natural Resources

- Wildlife health
 - Increase in insects
 - Disruptions to hibernation
- Plant health
 - Mismatched blooming
 - Increased vulnerability
- Wildlife food sources





Water Resources



- Water use
 - Increased demand
 - Decreased availability
- Water quality
 - Drinking water
 - Aquatic habitats

What's at risk from increased temperatures?



Agriculture

- Crop and livestock health
- Costs of farming



Human Health

- Vector borne diseases
- Heat related illnesses



Infrastructure

- Energy generation
- Roads, bridges, and rail lines



Natural Resources

- Wildlife food sources
- Wildlife and plant health



Water Resources

- Water use
- Water quality

Recommendations

Management Plans

Outreach

Regulation and/or Policy

Facilities and Infrastructure
Design and Management

Research and Monitoring

Administrative Processes

Support for Communities
and Stakeholders



Management Plans

Update planning documents for natural resources, emergency response, state facilities, and Agency equipment.

Agency strategic plans.

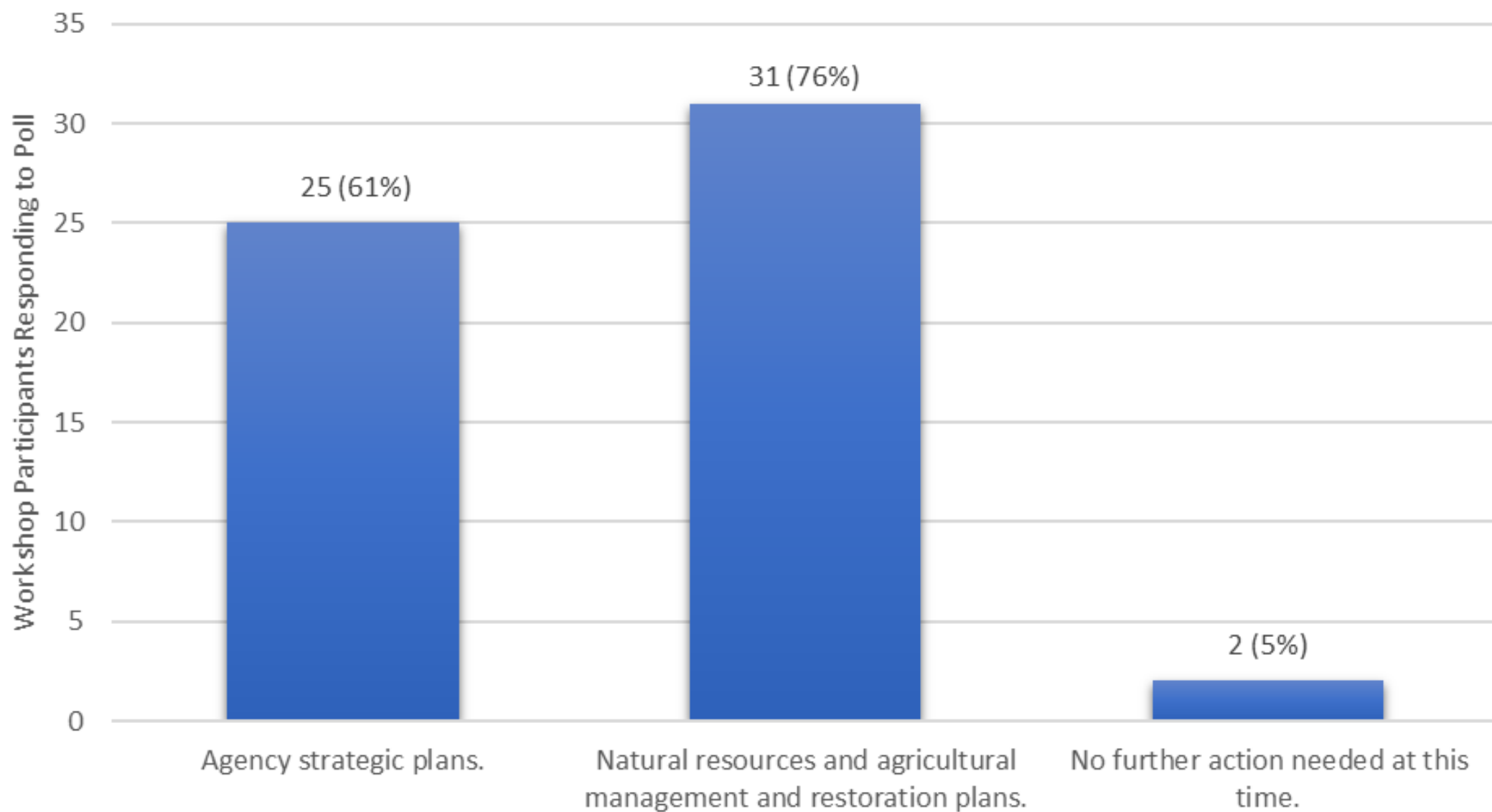
Natural resources and agricultural management and restoration plans.

Zoom Poll



From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 1





Regulations and/or Policy

Update and/or change current regulations and policies to address protection and conservation of vulnerable and impacted resources.

A photograph of a large, multi-story brick building with a central clock tower, surrounded by green trees and a brick wall in the foreground. The image is used as a background for the lower half of the slide.

Update Agency policies and guides.

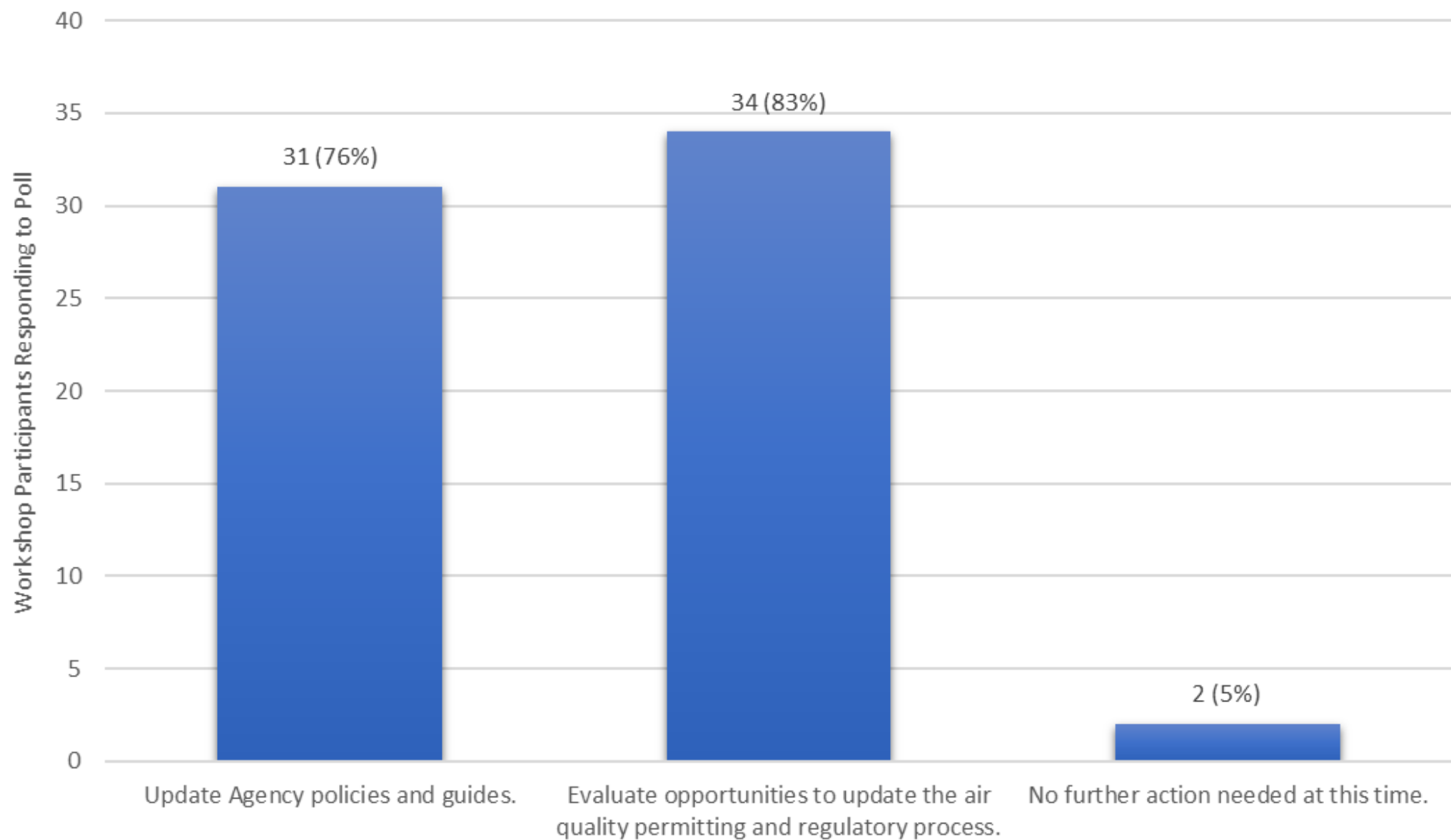
Evaluate opportunities to update the air quality permitting and regulatory process.

Zoom Poll



From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 2





Research and Monitoring

Support monitoring of conditions and research that studies the impacts of climate change and methods of adapting.

Increase the number of adaptation pilot projects.

Continue, and expand, research, monitoring, and modeling of natural resources.

Expand research and modeling on the reduction of greenhouse gas emissions.

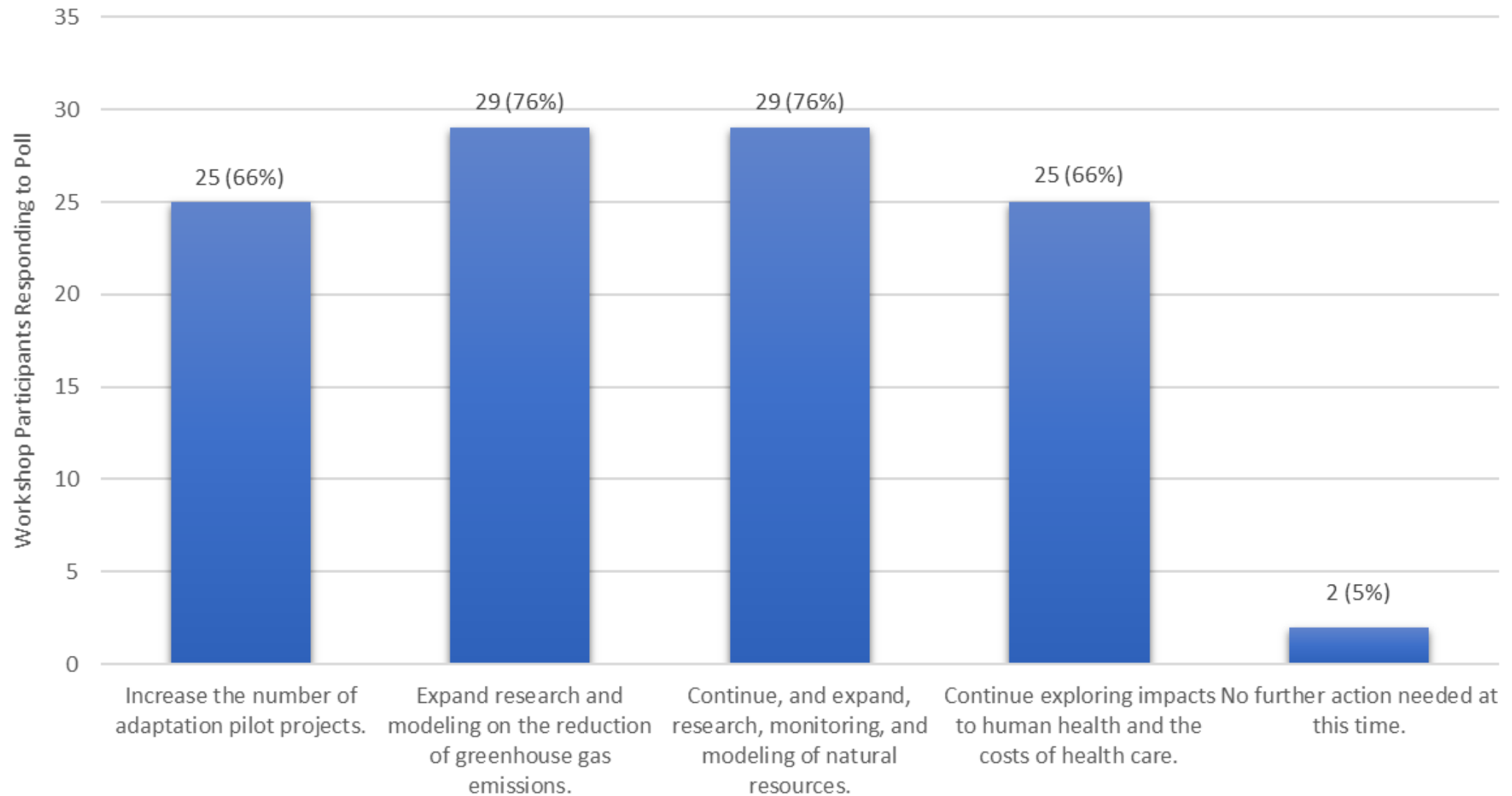
Continue exploring impacts to human health and the costs of health care.



Zoom Poll

From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 3





Support of Communities and Stakeholders

Help in the form of trainings, resources, and technical assistance.

Increase grant opportunities for communities for adaptation projects.

Support agricultural community adaptation.

Support programs and initiatives that help frontline communities adapt.

Provide outreach, trainings, and tools to the public and government agencies on health impacts.

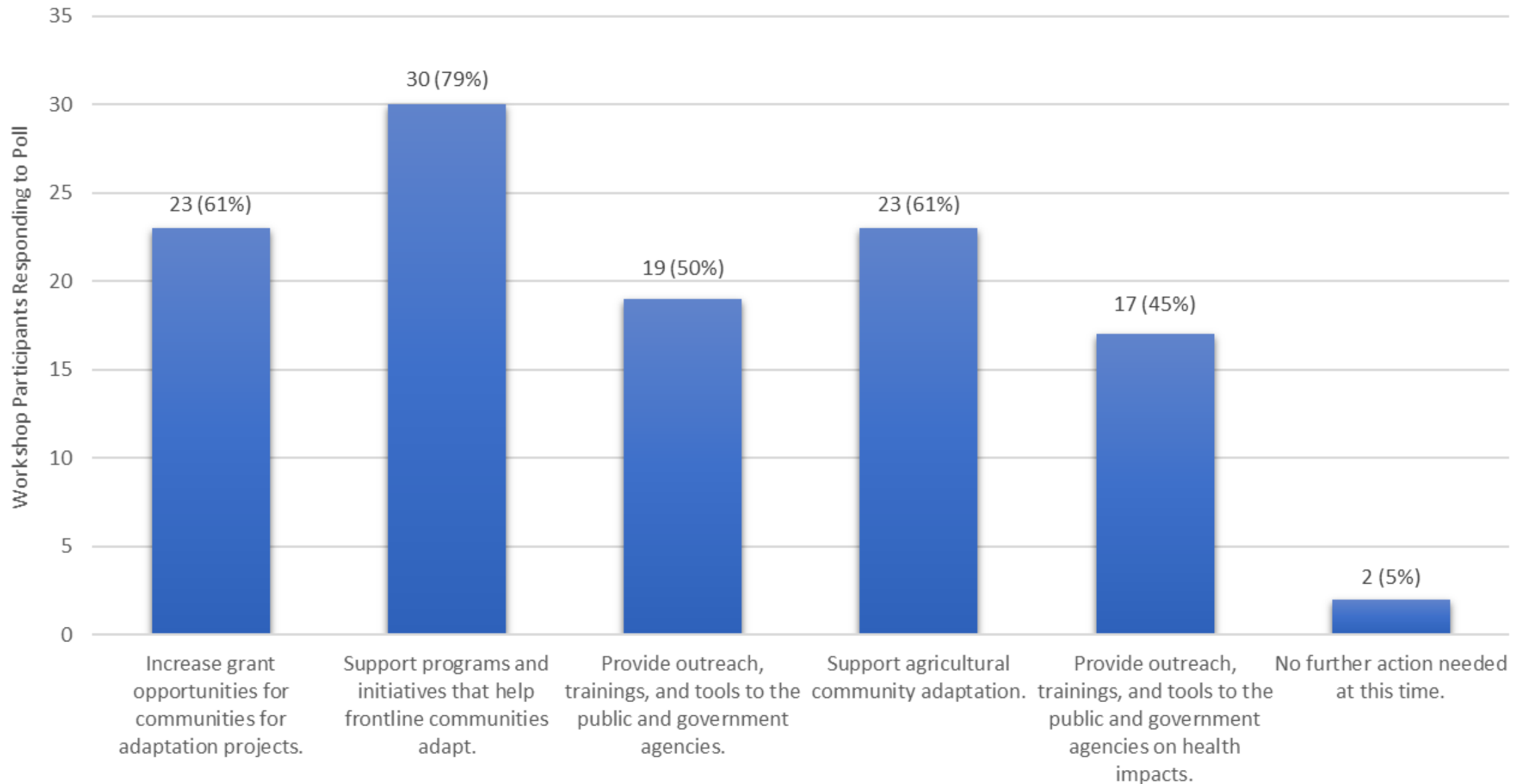
Provide outreach, trainings, and tools to the public and government agencies.

Zoom Poll



From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 4





Outreach

Messaging to stakeholders and the public on climate change impacts and adaptation.

Develop communication tools and resources, in both English and other languages.

Create targeted communication resources on climate change impacts.

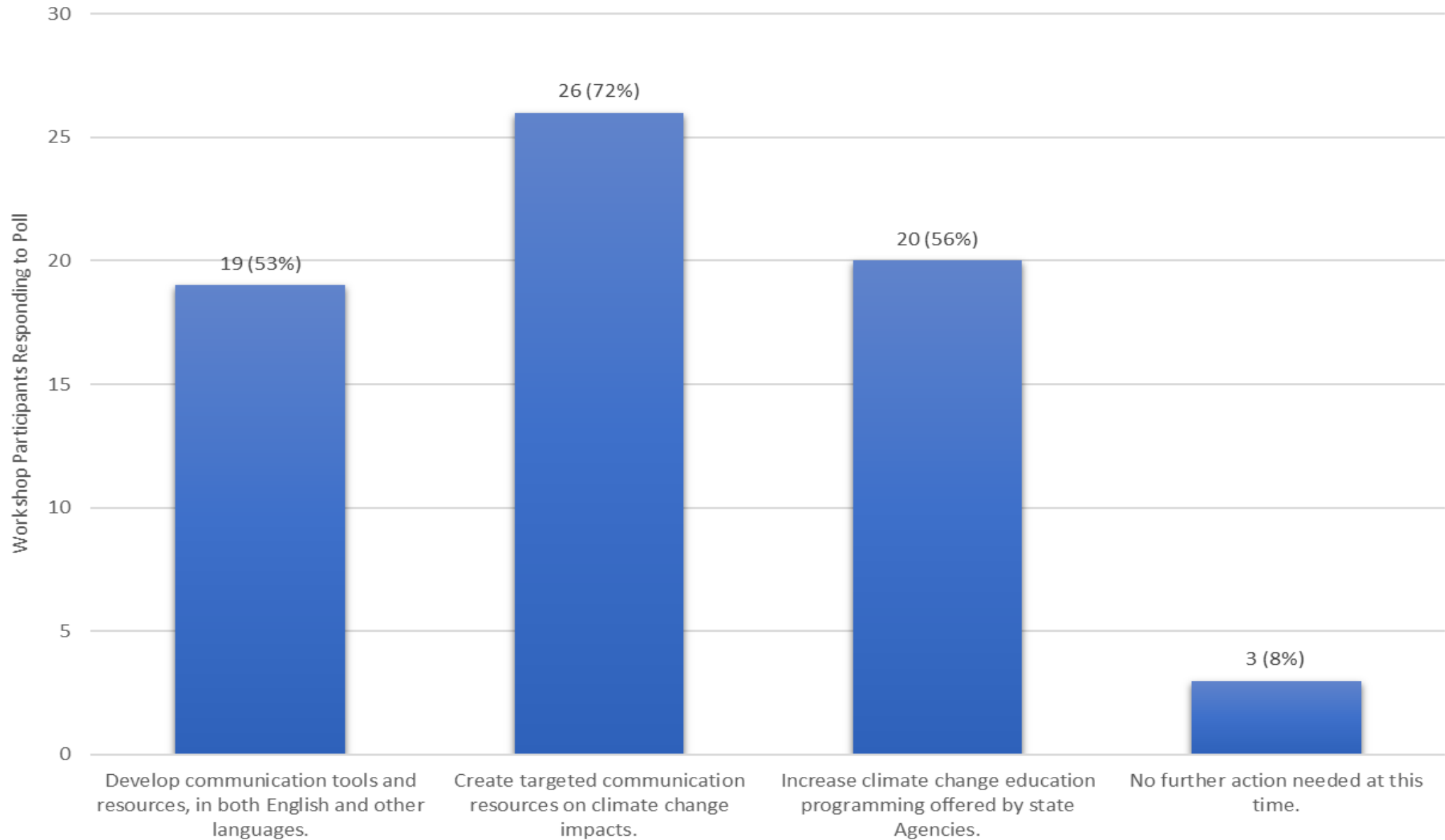
Increase climate change education programming offered by state Agencies.

Zoom Poll



From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 5





Facility and Infrastructure Design and Management

Plans and guides that that accounts for future climate conditions and sea level rise.

Prepare state facilities and equipment.

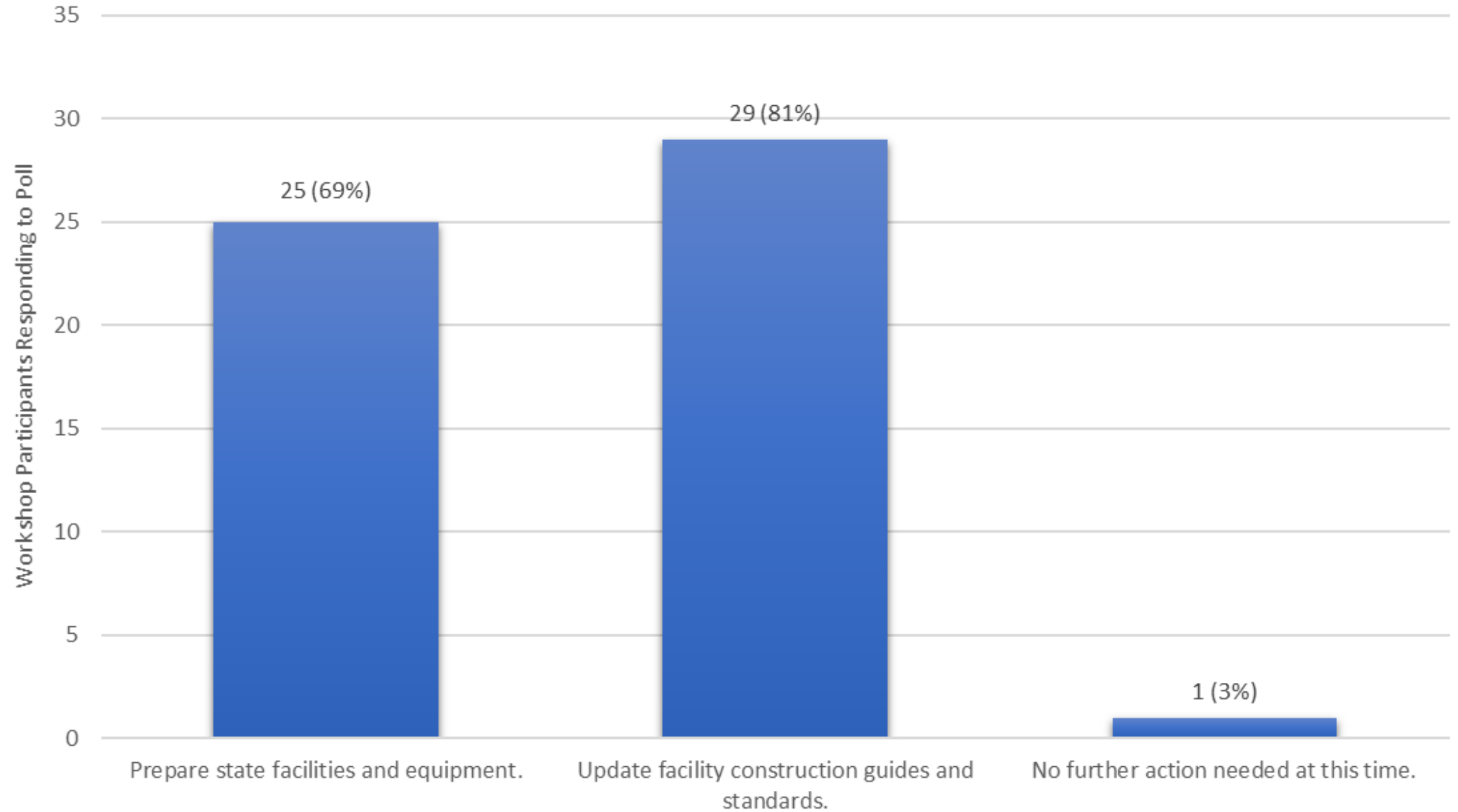
Update facility construction guides and standards.



Zoom Poll

From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 6





Administrative Processes

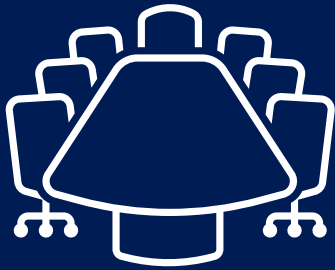
Review and edit processes related to operational guidelines and documents on how Agencies do business.

Plans and training policies that support the health and safety of personnel.

Improve data collection and sharing across State Agencies support regulatory and policy decisions.

Increase state Agency capacity to adapt through funding, staffing, and training.

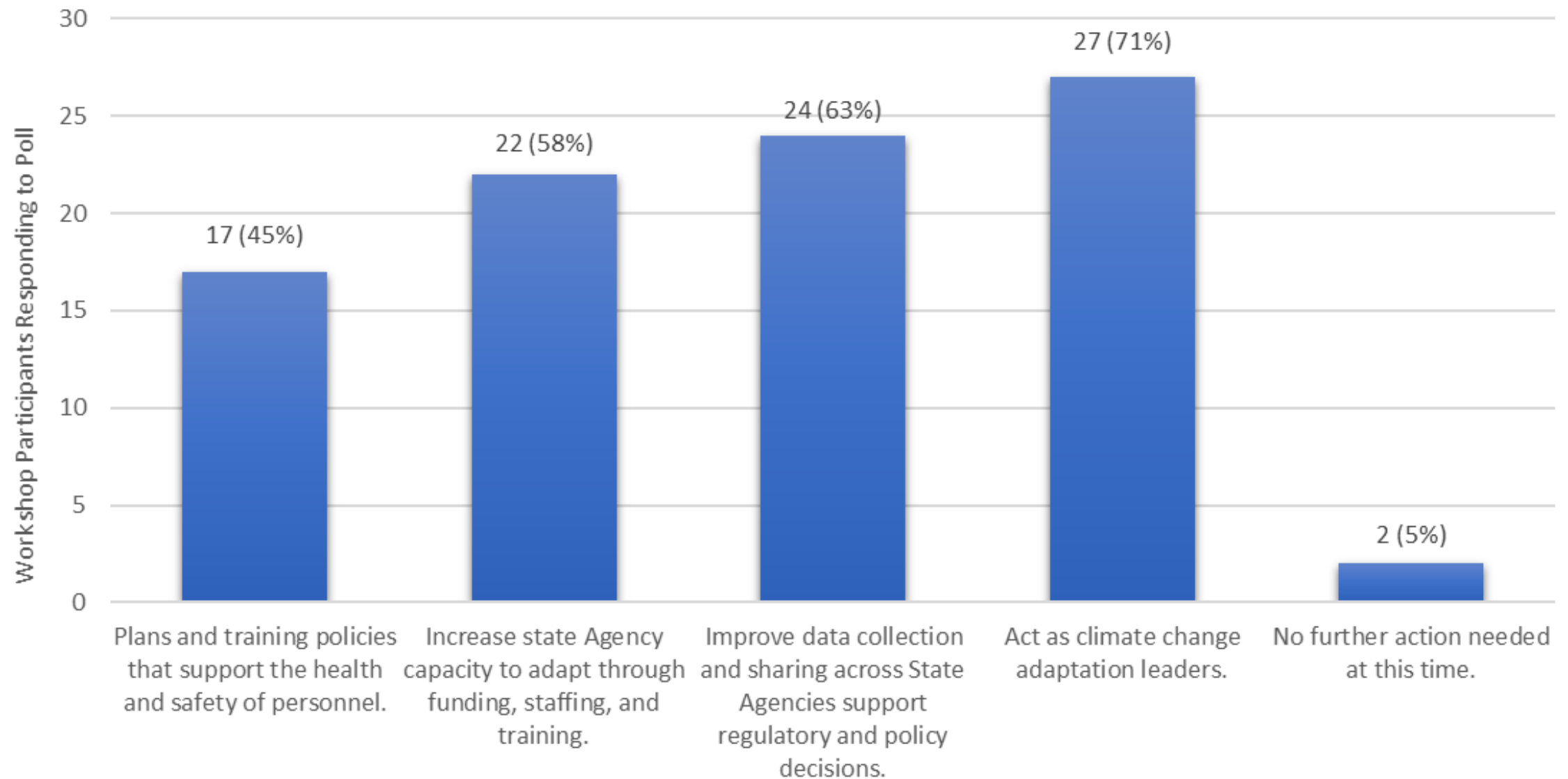
Act as climate change adaptation leaders.



Zoom Poll

From the list of actions
choose all actions you
think are most important
for the state to implement.

Zoom Poll: Recommendation 7



DELAWARE'S

Climate Action Plan

**What did
we miss?**

DELAWARE'S

Climate Action Plan

Questions

- We will answer as many questions as possible that were submitted via the Q&A box.
- All questions from the Q&A box answered live or not will be collected, answered and uploaded on declimateplan.org.
- The question document will be uploaded by Friday, October 16th.

Make Your Voice Heard



Register for our Upcoming Workshop

- Maximizing Resilience to Heavy Precipitation & Flooding
October 1, 5:30 p.m. to 7 p.m.



Provide Additional Feedback

- Feedback can be submitted via an online feedback form at declimateplan.org until Friday, October 16th.
- Comments can be submitted via an online MetroQuest Survey found at declimateplan.org until Friday, October 16th.



Help Improve Our Workshops

- Complete a brief questionnaire emailed to you within 24 hours to help us improve how we collect public input and host public workshops.



THANK YOU

DELAWARE'S
Climate Action Plan

www.declimateplan.org | declimateplan@delaware.gov | @EnergyClimateDE